

Appendix table 5-4

Master's degrees in science and engineering awarded to women, by field, citizenship, and race/ethnicity: 1990–98

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Citizenship, race/ethnicity, and field	1990	1991	1992	1993	1994	1995	1996	1997	1998
All recipients, all fields.....	170,922	181,603	191,908	201,220	212,246	220,230	228,572	239,497	246,810
Total science and engineering.....	23,804	25,080	26,416	28,313	30,619	32,628	33,802	34,516	34,925
Physical sciences ^a	1,430	1,457	1,457	1,562	1,658	1,735	1,886	1,821	1,934
Mathematical sciences.....	1,476	1,486	1,562	1,616	1,567	1,641	1,569	1,545	1,493
Computer science.....	2,675	2,761	2,646	2,756	2,694	2,702	2,723	2,855	3,270
Agricultural sciences.....	954	944	1,130	1,270	1,395	1,481	1,708	1,698	1,712
Biological sciences.....	2,500	2,491	2,500	2,433	2,742	2,807	3,282	3,449	3,289
Psychology.....	6,283	6,808	7,276	7,978	8,857	10,111	10,034	10,573	10,175
Social sciences.....	5,218	5,776	6,180	6,605	7,285	7,520	7,848	7,881	7,894
Engineering.....	3,268	3,357	3,665	4,093	4,421	4,631	4,752	4,694	5,158
Non-S&E.....	147,118	156,523	165,492	172,907	181,627	187,602	194,770	204,981	211,885
U.S. citizens and permanent residents, all fields.....	160,019	169,142	178,493	185,932	195,881	202,633	210,372	220,221	226,085
Total science and engineering.....	20,168	21,112	22,114	23,528	25,501	27,326	28,183	28,814	28,584
Physical sciences ^a	1,094	1,023	1,030	1,078	1,124	1,202	1,338	1,315	1,415
Mathematical sciences.....	1,090	1,110	1,162	1,229	1,210	1,269	1,198	1,207	1,129
Computer science.....	2,045	2,086	1,857	1,788	1,730	1,727	1,739	1,756	1,895
Agricultural sciences.....	765	765	927	1,062	1,131	1,246	1,448	1,450	1,468
Biological sciences.....	2,150	2,112	2,090	1,990	2,271	2,379	2,760	2,951	2,790
Psychology.....	6,034	6,595	7,069	7,757	8,626	9,775	9,719	10,283	9,822
Social sciences.....	4,418	4,911	5,218	5,627	6,199	6,431	6,621	6,606	6,630
Engineering.....	2,572	2,510	2,761	2,997	3,210	3,297	3,360	3,246	3,435
Non-S&E.....	139,851	148,030	156,379	162,404	170,380	175,307	182,189	191,407	197,501
Whites, non-Hispanic, all fields.....	130,799	139,607	146,265	151,951	157,155	160,782	165,154	170,411	173,498
Total science and engineering.....	16,200	16,879	17,536	18,482	19,865	20,953	21,200	21,358	20,981
Physical sciences ^a	883	830	833	849	893	923	1,038	1,001	1,085
Mathematical sciences.....	894	899	947	1,022	959	988	901	906	835
Computer science.....	1,377	1,377	1,171	1,138	977	974	943	890	936
Agricultural sciences.....	682	684	825	925	921	1,024	1,239	1,212	1,253
Biological sciences.....	1,790	1,724	1,685	1,551	1,810	1,849	2,122	2,234	2,148
Psychology.....	5,058	5,553	5,851	6,384	7,190	8,005	7,718	8,088	7,551
Social sciences.....	3,579	3,919	4,247	4,470	4,878	4,950	5,049	4,922	4,956
Engineering.....	1,937	1,893	1,977	2,143	2,237	2,240	2,190	2,105	2,217
Non-S&E.....	114,599	122,728	128,729	133,469	137,290	139,829	143,954	149,053	152,517
Asians/Pacific Islanders, all fields.....	4,324	4,850	5,470	6,044	6,768	7,521	8,404	9,327	10,298
Total science and engineering.....	1,256	1,351	1,487	1,609	1,861	1,950	2,216	2,392	2,471
Physical sciences ^a	94	86	89	99	102	101	136	140	128
Mathematical sciences.....	78	81	98	76	107	105	103	123	104
Computer science.....	332	387	400	396	443	454	462	513	618
Agricultural sciences.....	21	23	21	29	47	53	61	73	40
Biological sciences.....	128	127	139	169	181	208	282	314	286
Psychology.....	117	123	121	141	196	219	252	288	301
Social sciences.....	180	201	212	258	274	261	299	380	367
Engineering.....	306	323	407	441	511	549	621	561	627
Non-S&E.....	3,068	3,499	3,983	4,435	4,907	5,571	6,188	6,935	7,827

See explanatory information and SOURCE at end of table.

Appendix table 5-4

Master's degrees in science and engineering awarded to women, by field, citizenship, and race/ethnicity: 1990-98

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Citizenship, race/ethnicity, and field	1990	1991	1992	1993	1994	1995	1996	1997	1998
Blacks, non-Hispanic, all fields.....	9,304	10,238	11,626	12,425	13,929	15,318	16,590	18,504	19,509
Total science and engineering.....	897	1,062	1,190	1,301	1,473	1,805	1,953	2,200	2,110
Physical sciences ^a	26	30	32	47	53	61	57	70	65
Mathematical sciences.....	33	47	33	50	47	87	73	80	79
Computer science.....	92	133	141	115	160	148	174	169	147
Agricultural sciences.....	10	17	23	30	32	39	39	40	59
Biological sciences.....	59	79	88	88	94	112	122	167	122
Psychology.....	338	325	394	429	475	645	704	865	813
Social sciences.....	239	332	345	385	445	512	574	584	581
Engineering.....	100	99	134	157	167	201	210	225	244
Non-S&E.....	8,407	9,176	10,436	11,124	12,456	13,513	14,637	16,304	17,399
Hispanics, all fields.....	4,782	5,560	5,875	6,496	7,694	8,180	9,322	9,894	10,568
Total science and engineering.....	628	744	740	837	1,087	1,127	1,252	1,306	1,475
Physical sciences ^a	35	23	29	38	34	41	47	53	62
Mathematical sciences.....	18	33	19	28	31	22	34	21	40
Computer science.....	25	44	51	58	49	47	48	56	70
Agricultural sciences.....	19	18	18	34	79	40	40	54	58
Biological sciences.....	59	82	77	75	73	92	106	101	92
Psychology.....	236	267	288	311	417	482	533	563	632
Social sciences.....	163	187	178	192	267	270	276	282	343
Engineering.....	73	90	80	101	137	133	168	176	178
Non-S&E.....	4,154	4,816	5,135	5,659	6,607	7,053	8,070	8,588	9,093
American Indians/Alaskan Natives, all fields.....	611	661	727	788	964	919	1,028	1,147	1,212
Total science and engineering.....	85	91	90	124	112	148	150	155	173
Physical sciences ^a	3	5	4	4	3	8	4	5	11
Mathematical sciences.....	2	2	3	4	1	6	1	6	7
Computer science.....	2	4	5	3	6	5	7	9	3
Agricultural sciences.....	3	5	2	3	3	3	8	8	8
Biological sciences.....	6	9	5	17	5	9	8	12	12
Psychology.....	24	30	25	47	43	55	58	64	76
Social sciences.....	37	30	39	33	39	59	59	44	48
Engineering.....	8	6	7	13	12	3	5	7	8
Non-S&E.....	526	570	637	664	852	771	878	992	1,039
Unknown race/ethnicity, all fields.....	10,199	8,226	8,530	8,228	9,371	9,913	9,874	10,938	11,000
Total science and engineering.....	1,102	985	1,071	1,175	1,103	1,343	1,412	1,403	1,374
Physical sciences ^a	53	49	43	41	39	68	56	46	64
Mathematical sciences.....	65	48	62	49	65	61	86	71	64
Computer science.....	217	141	89	78	95	99	105	119	121
Agricultural sciences.....	30	18	38	41	49	87	61	63	50
Biological sciences.....	108	91	96	90	108	109	120	123	130
Psychology.....	261	297	390	445	305	369	454	415	449
Social sciences.....	220	242	197	289	296	379	364	394	335
Engineering.....	148	99	156	142	146	171	166	172	161
Non-S&E.....	9,097	7,241	7,459	7,053	8,268	8,570	8,462	9,535	9,626

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Citizenship, race/ethnicity, and field	1990	1991	1992	1993	1994	1995	1996	1997	1998
Temporary residents, all fields.....	10,903	12,461	13,415	15,288	16,365	17,597	18,200	19,276	20,725
Total science and engineering.....	3,636	3,968	4,302	4,785	5,118	5,302	5,619	5,702	6,341
Physical sciences ^a	336	434	427	484	534	533	548	506	519
Mathematical sciences.....	386	376	400	387	357	372	371	338	364
Computer science.....	630	675	789	968	964	975	984	1,099	1,375
Agricultural sciences.....	189	179	203	208	264	235	260	248	244
Biological sciences.....	350	379	410	443	471	428	522	498	499
Psychology.....	249	213	207	221	231	336	315	290	353
Social sciences.....	800	865	962	978	1,086	1,089	1,227	1,275	1,264
Engineering.....	696	847	904	1,096	1,211	1,334	1,392	1,448	1,723
Non-S&E.....	7,267	8,493	9,113	10,503	11,247	12,295	12,581	13,574	14,384

^aIn this table, the physical sciences include the earth, atmospheric, and ocean sciences as well as physics, astronomy, and chemistry. See notes for more information.

NOTES: Data on race/ethnicity are for U.S. citizens and permanent residents only and do not include students on temporary visas. Because these data were collected on broad fields of study only until 1994, the trend data could not be adjusted to the exact field taxonomies used by the National Science Foundation.

SOURCE: Tabulations by National Science Foundation, Division of Science Resources Statistics; data from U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, various years.